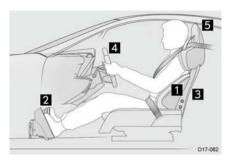
Correct driving posture

Drive in a good posture as follows:



- Sit upright and well back in the seat. (→P. 32)
- Adjust the position of the seat forward or backward to ensure the pedals can be reached and easily depressed to the extent required. (→P. 32)
- Adjust the seatback so that the controls are easily operable. (→P. 32)
- Adjust the tilt and telescopic positions of the steering wheel downward so the airbag is facing your chest. (→P. 41)
- **S** Wear the seat belt correctly. (→P.36)

n While driving

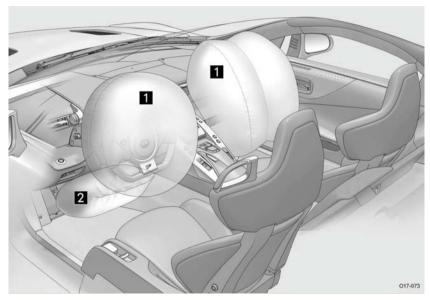
- 1 Do not adjust the position of the driver's seat while driving. Doing so could cause the driver to lose control of the vehicle.
- 1 Do not place a cushion between the driver or passenger and the seatback. A cushion may prevent correct posture from being achieved, and reduce the effectiveness of the seat belt, increasing the risk of death or serious injury to the driver or passenger.
- 1 Do not place anything under the seats. Objects placed under the seats may become jammed in the seat tracks and stop the seat from locking in place. This may lead to an accident, resulting in death or serious injury. The adjustment mechanism may also be damaged.

n Adjusting the seat position

Do not put your hands under the seat or near the moving parts to avoid injury. Fingers or hands may become jammed in the seat mechanism.

SRS airbags

The SRS airbags inflate when the vehicle is subjected to certain types of severe impacts that may cause significant injury to the occupants. They work together with the seat belts to help reduce the risk of death or serious injury.

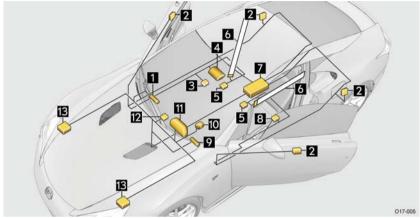


- SRS driver airbag/passenger airbag
 Can help protect the head and chest of the driver and passenger from impact with interior components.
- 2 SRS driver's knee airbag
 Can help provide driver protection.



SRS seat belt airbags
Can help protect the head and chest of the driver and passenger from impact with interior components.

Airbag system components



- 1 Passenger airbag
- 2 Seat belt airbag sensors
- Occupant detection system ECU
- 4 Occupant detection system sensor
- **5** Seat belt buckle switches
- 6 Seat belt airbags
- 7 Airbag sensor assembly

- B Driver's seat position sensor
- 9 Driver's knee airbag
- system Driver airbag
 - SRS warning light
 - "AIR BAG ON" and "AIR BAG OFF" indicator lights
 - Front airbag and seat belt airbag sensors

Your vehicle is equipped with ADVANCED AIRBAGS designed based on US motor vehicle safety standards (FMVSS208). The airbag system controls airbag deployment power for the driver and passenger. The driver airbag system consists of the driver's seat position sensor etc. The passenger's airbag system consists of the passenger occupant classification sensor etc.

The main SRS airbag system components are shown above. The SRS airbag system is controlled by the airbag sensor assembly. The airbag sensor assembly consists of a safing sensor and an airbag sensor.

In certain types of severe frontal or side impacts, the SRS airbag system triggers the airbag inflators. A chemical reaction in the inflators quickly fills the airbags with non-toxic gas to help restrain the motion of the occupants.

n If the SRS airbags deploy (inflate)

- 1 Bruising and slight abrasions may result from contact with a deploying (inflating) SRS airbag.
- 1 A loud noise and white powder will be emitted.
- 1 Parts of the airbag module (steering wheel, airbag cover and inflator) as well as the seats may be hot for several minutes. The airbag itself may also be hot.
- 1 The windshield may crack.
- 1 For Safety Connect subscribers, if the SRS airbags deploy or in the event of a severe rear-end collision, the system is designed to send an emergency call to the response center, notifying them of the vehicle's location (without needing to push the "SOS" button) and an agent will attempt to speak with the occupants to ascertain the level of emergency and assistance required. If the occupants are unable to communicate, the agent automatically treats the call as an emergency and helps to dispatch the necessary emergency services. (→P. 219)

n SRS airbag deployment conditions

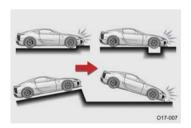
1 The SRS front airbags will deploy in the event of an impact that exceeds the set threshold level (the level of force corresponding to a 12 - 18 mph [20 - 30 km/h] frontal collision with a fixed wall that does not move or deform). In addition, the SRS seat belt airbags will also deploy in the event of an impact that exceeds the set threshold level (the level of force corresponding to the impact force produced by an approximately 3300 lb. [1500 kg] vehicle colliding with the vehicle cabin from a direction perpendicular to the vehicle orientation at an approximate speed of 12 - 18 mph [20 - 30 km/h]).

However, this threshold velocity will be considerably higher if the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact, or if the vehicle is involved in an underride collision (e.g. a collision in which the front of the vehicle "underrides", or goes under, the bed of a truck, etc.).

- 1 It is possible that in some collisions where the forward deceleration of the vehicle is very close to the designed threshold level, the SRS front airbags and the seat belt pretensioners may not activate together.
- 1 The SRS passenger airbag will not activate if there is no passenger sitting in the passenger seat. However, the passenger airbag may deploy if luggage is put in the seat, or the seat belt is fastened, even if the seat is unoccupied. $(\rightarrow P.72)$

n Conditions under which the SRS airbags may deploy (inflate), other than a collision

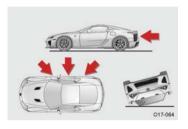
The SRS front airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.



- Hitting a curb, edge of pavement or hard surface
- 1 Falling into or jumping over a deep hole
- 1 Landing hard or vehicle falling

Types of collisions that may not deploy the SRS airbag (except SRS seat belt airbags)

In situations similar to the examples shown in the illustration and description below, the SRS front airbags are generally not designed to inflate. But, whenever a collision of any type causes sufficient forward deceleration of the vehicle, deployment of the SRS front airbags may occur.

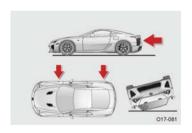


- Collision from the side
- 1 Collision from the rear
- Vehicle rollover
- 1 Low-speed frontal collision

Types of collisions that may not deploy the SRS airbags (SRS seat belt airbags)

The seat belt airbag will not deploy if the seat belt is not fastened.

Also, the SRS seat belt airbags are not generally designed to inflate in the following situations. However, deployment of the SRS seat belt airbags may occur should the vehicle be subjected to a strong impact in a side collision, as well as when a collision of any type causes sufficient forward deceleration of the vehicle.

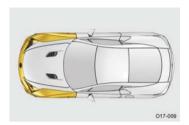


- 1 Collision from the rear
- Vehicle rollover
- 1 Low-speed side collision
- 1 Collision from the side to the vehicle body other than the passenger compartment

n When to contact your Lexus dealer

In the following cases, contact your Lexus dealer as soon as possible:

1 Any of the SRS airbags have been inflated.



1 The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS airbags to inflate.



1 The seat belt is torn, worn or otherwise damaged in an accident that was not severe enough to cause the SRS seat belt airbags to inflate.



1 The pad section of the steering wheel, dashboard near the passenger airbag, lower portion of the instrument panel, or the seat belt is scratched, cracked, or otherwise damaged.

n SRS airbag precautions

Observe the following precautions regarding the airbags. Failure to do so may cause death or serious injury.

- 1 The driver and passenger in the vehicle must wear their seat belts properly. The SRS airbags are supplemental devices to be used with the seat belts.
- 1 The SRS driver airbag deploys with considerable force, and can cause death or serious injury especially if the driver is very close to the airbag. The National Highway Traffic Safety Administration ("NHTSA") advises:

Since the risk zone for the driver airbag is the first 2 - 3 in. (50 - 75 mm) of inflation, placing yourself 10 in. (250 mm) from your driver airbag provides you with a clear margin of safety. This distance is measured from the center of the steering wheel to your breastbone. If you sit less than 10 in. (250 mm) away now, you can change your driving position in several ways:

- Move your seat to the rear as far as you can while still reaching the pedals comfortably.
- Slightly recline the back of the seat.
 Although vehicle designs vary, many drivers can achieve the 10 in. (250 mm) distance, even with the driver's seat all the way forward, simply by reclining the back of the seat somewhat. If reclining the back of your seat makes it hard to see the road, raise yourself by using a firm, or raise the seat if your vehicle has that feature.
- If your steering wheel is adjustable, tilt it downward. This points the airbag toward your chest instead of your head and neck.

The seat should be adjusted as recommended by NHTSA above, while still maintaining control of the foot pedals, steering wheel, and your view of the instrument panel controls.

n SRS airbag precautions

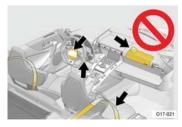
- 1 The SRS passenger airbag also deploys with considerable force, and can cause death or serious injury especially if the passenger is very close to the airbag. The passenger seat should be as far from the airbag as possible with the seatback adjusted, so the passenger sits upright.
- 1 Improperly seated and/or restrained infants and children can be killed or seriously injured by a deploying airbag. An infant or child who is too small to use a seat belt should be properly secured using a child restraint system. Lexus strongly recommends that all infants and children be properly restrained. The rear seats are the safest for infants and children. (→P. 76)



1 Do not sit on the edge of the seat or lean against the dashboard.



- 1 Do not allow a child to stand in front of the SRS passenger airbag unit or sit on the knees of a passenger.
- 1 Do not drive the vehicle while the driver or passenger have items resting on their knees.



- 1 Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad, seat belt, or lower portion of the instrument panel.
 - These items can become projectiles when SRS driver, passenger, seat belt and knee airbags deploy.

CAUTION

n SRS airbag precautions

- Wear the seat belt correctly.
- 1 If a vinyl cover is put on the area where the SRS knee airbag will deploy, be sure to remove it.
- 1 Do not wrap seat belt covers or other such items around the area where the SRS seat belt air bag will inflate.
- 1 Do not strike or apply significant levels of force to the area of the SRS airbag components shown on P. 63.
 - Doing so can cause the SRS airbags to malfunction.
- 1 Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.
- 1 If breathing becomes difficult after the SRS airbag has deployed, open a door or window to allow fresh air in, or leave the vehicle if it is safe to do so. Wash off any residue as soon as possible to prevent skin irritation.
- 1 If the areas where the SRS airbags are stored, such as the steering wheel pad and/or seat belt, are damaged or cracked, have them replaced by your Lexus dealer.

${\it n}\,$ Modification and disposal of SRS airbag system components

Do not dispose of your vehicle or perform any of the following modifications without consulting your Lexus dealer.

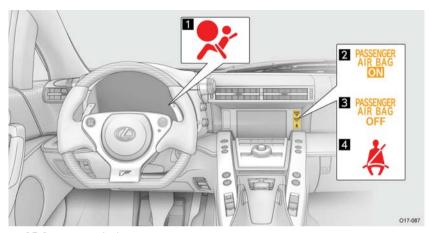
The SRS airbags may malfunction or deploy (inflate) accidentally, causing death or serious injury.

- 1 Installation, removal, disassembly and repair of the SRS airbags.
- 1 Repairs, modifications, removal or replacement of the steering wheel, instrument panel, dashboard or seat belt.
- 1 Repairs or modifications of the front fender or front bumper.
- 1 Installation of snow plows, winches, etc. to the front grille (bull bars, kangaroo bar etc.).
- 1 Modifications to the vehicle's suspension system.
- 1 Installation of electronic devices such as mobile two-way radios or CD players.
- 1 Modifications to your vehicle for a person with a physical disability.

1-7. Safety information

Passenger occupant classification system

Your vehicle is equipped with a passenger occupant classification system. This system detects the conditions of the passenger seat and activates or deactivates the devices for the passenger.



- SRS warning light
- "AIR BAG ON" indicator light
- 3 "AIR BAG OFF" indicator light
- 4 Passenger's seat belt reminder light

Condition and operation in the passenger occupant classification system

n Adult*1

Indicator/ warning light	"AIR BAG ON" and "AIR BAG OFF"	"AIR BAG
	indicator lights	ON"
	SRS warning light	Off
	Passenger's seat belt reminder light	Flashing*2
Devices	Passenger airbag	
	Seat belt airbag on the passenger seat	Activated
	Passenger's seat belt pretensioner	

${\rm n~Child}^{*3}$ or child restraint system *4

Indicator/	"AIR BAG ON" and "AIR BAG OFF" indicator lights	"AIR BAG OFF" ^{*5}
warning light	SRS warning light	Off
	Passenger's seat belt reminder light	Flashing*2
Devices	Passenger airbag	- Deactivated
	Seat belt airbag on the passenger seat	
	Passenger's seat belt pretensioner	Activated

n Unoccupied

Indicator/	"AIR BAG ON" and "AIR BAG OFF" indicator lights	Not illuminated
warning light	SRS warning light	Off
	Passenger's seat belt reminder light	Oii
Devices	Passenger airbag	
	Seat belt airbag on the passenger seat	Deactivated
	Passenger's seat belt pretensioner	

n There is a malfunction in the system

	"AIR BAG ON" and "AIR BAG OFF"	"AIR BAG
Indicator/	indicator lights	OFF"
warning light	SRS warning light	On
	Passenger's seat belt reminder light	Off
Devices	Passenger airbag	Deactivated
	Seat belt airbag on the passenger seat	
	Passenger's seat belt pretensioner	Activated

- *1: The system judges a person of adult size as an adult. When a smaller adult sits in the passenger seat, the system may recognize him/her as a child depending on his/her physique and posture.
- \star^2 : In the event the passenger does not wear a seat belt.
- *3: When a larger child who has outgrown a child restraint system sits in the passenger seat, the system may recognize him/her as an adult depending on his/her physique or posture.
- *4: Never install a rear-facing child restraint system on the passenger seat. If a child restraint system needs to be installed, install a forward facing child restraint system on the passenger seat. (→P. 76)
- *5: In case the indicator is not illuminated, consult this manual on how to install the child restraint system properly. (→P. 80)

n Passenger occupant classification system precautions

Observe the following precautions regarding the passenger occupant classification system.

Failure to do so may cause death or serious injury.

- 1 Wear the seat belt properly.
- 1 Make sure the passenger's seat belt tab has not been left inserted into the buckle before someone sits in the passenger seat.
- 1 Do not apply a heavy load to the passenger seat or equipment.
- 1 Do not put objects under the passenger seat.
- 1 Keep the passenger seatback as upright as possible when the vehicle is moving. Reclining the seatback excessively may lessen the effectiveness of the seat belt system.
- If an adult sits in the passenger seat, the "AIR BAG ON" indicator light should illuminated. If the "AIR BAG OFF" indicator is illuminated, ask the passenger to sit up straight, well back in the seat, feet on the floor, and with the seat belt worn correctly. If the "AIR BAG OFF" indicator still remains illuminated, ask the passenger to move the passenger seat fully rearward.
- 1 If a child restraint system needs to be installed, install a forward facing child restraint system on the passenger seat in the proper manner. $(\rightarrow P. 80)$
- 1 Do not modify or remove the seats.
- 1 Do not kick the passenger seat or subject it to severe impact. Otherwise, the SRS warning light may come on to indicate a malfunction of the detection system. In this case, contact your Lexus dealer immediately.
- 1 Do not use a seat accessory, such as a cushion or seat cover, that covers the seat cushion surface.
- 1 Do not modify or replace the upholstery of the seat.

1-7. Safety information

Child restraint systems

A child restraint system for a small child or baby must itself be properly restrained on the seat with the lap portion of the lap/shoulder belt.

The laws of all 50 states of the U.S.A. and Canada now require the use of child restraint systems.

Only put a child restraint system when unavoidable.

Points to remember

- 1 Choose a child restraint system that suits your vehicle and is appropriate to the age and size of the child.
- 1 For installation details, follow the instructions provided with the child restraint system.

General installation instructions are provided in this manual. $(\rightarrow P. 80)$

Types of child restraints

Child restraint systems are classified into the following 2 types according to the age and size of the child.

Forward facing—Convertible seat



Booster seat



n Selecting an appropriate child restraint system

- 1 Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt.
- 1 If a child is too large for a child restraint system, use the vehicle's seat belt. $(\rightarrow P. 36)$

CAUTION

n Child restraint precautions

- 1 For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system depending on the age and size of the child. Holding a child in your arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield, or between you and the vehicle's interior, causing death or serious injury.
- 1 Never install a rear-facing child restraint system on the passenger seat even if the "AIR BAG OFF" indicator light is illuminated. In the event of an accident, the force of the rapid inflation of the passenger airbag can cause death or serious injury to the child if the rear-facing child restraint system is installed on the passenger seat.
- 1 A forward-facing child restraint system may be installed on the passenger seat only when it is unavoidable. Adjust the seatback as upright as possible and always move the seat as far back as possible even if the "AIR BAG OFF" indicator light is illuminated, because the passenger airbag could inflate with considerable speed and force. Otherwise, the child may be killed or seriously injured.
- 1 Make sure you have complied with all installation instructions provided by the child restraint manufacturer and that the system is properly secured. If it is not secured properly, it may cause death or serious injury to the child in the event of a sudden stop, sudden swerve or an accident.
- 1 When installing a child restraint system, do not add clips to the shoulder belt, as doing so may prevent the seat belt airbags from operating properly.
- 1 After using the child restraint system, check the vehicle's seat belt for any damage. If the seat belt is damaged, have it replaced by any authorized Lexus dealer or repairer, or another duly qualified and equipped professional.

n Child restraint lock function belt precaution

Do not allow children to play with the child restraint lock function belt. If the belt becomes twisted around a child's neck, it will not be possible to pull the belt out leading to choking or other serious injuries that could result in death.

If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt behind the seat belt guide.

$\, n \,$ When the child restraint system is not in use

- 1 Keep the child restraint system properly secured on the seat even if it is not in use.
 Do not store the restraint unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle. This will prevent it from injuring occupants in the event of a sudden stop, sudden swerve or an accident.

1-7. Safety information

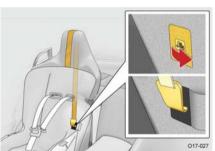
Installing child restraints

Follow the child restraint system manufacturer's instructions. Firmly secure child restraints to the seats using the seat belt. Attach the top tether strap when installing a child restraint.

The lap/shoulder belt can be used.



Seat belts equipped with a child restraint locking mechanism (ALR/ELR belts passenger's seat belt) (→P. 36)



Anchor bracket (for top tether strap)

An anchor bracket is provided for the passenger seat.

Installing child restraints using a seat belt (child restraint lock function belt)

n Forward facing — Convertible seat



Place the child restraint system on the seat facing the front of the vehicle.



Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted.



Fully extend the lap belt and allow it to retract to put it in lock mode. In lock mode, the belt cannot be extended.



While pushing the child restraint system into the seat, allow the lap belt to retract until the child restraint system is securely in place.

After the lap belt has retracted to a point where there is no slack in the belt, pull the belt to check that it cannot be extended.

STEP 5 If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor.

n Booster seat



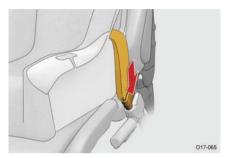
Place the booster seat on the seat facing the front of the vehicle.



Sit the child in the booster seat. Fit the seat belt to the booster seat according to the manufacturer's instructions and insert the plate into the buckle. Make sure that the belt is not twisted.

Check that the lap belt is correctly positioned over the child's shoulder, and that the lap belt is as low as possible. $(\rightarrow P. 36)$

Removing a child restraint installed with a seat belt

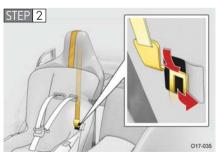


Push the buckle release button and fully retract the seat belt.

Child restraint systems with a top tether strap



Secure the child restraint using a seat belt and top tether strap.



Open the anchor bracket cover, latch the hook onto the anchor bracket and tighten the top tether strap.

Make sure the top tether strap is securely latched.

n Laws and regulations pertaining to anchorages

Child restraint systems conforming to FMVSS213 or CMVSS213 specifications can be used.

This vehicle is designed to conform to the SAE J1819.

A CAUTION

n When installing a booster seat

To prevent the belt from going into ALR lock mode, do not fully extend the lap belt. ALR mode causes the belt to tighten only. This could cause injury or discomfort to the child. $(\rightarrow P.38)$

n When installing a child restraint system

Follow the directions given in the child restraint system installation manual and fix the child restraint system securely in place.

If the child restraint system is not correctly fixed in place, the child or driver may be seriously injured or even killed in the event of sudden braking, sudden swerving or an accident.



- 1 Only put a forward facing child restraint system on the seat when unavoidable. When installing a forward facing child restraint system on the passenger seat, move the seat as far back as possible even if the "AIR BAG OFF" indicator light is illuminated. Failing to do so may result in death or serious injury if the airbags deploy (inflate).
- 1 When a booster seat is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder. Failing to do so may result in death or serious injury in the event of sudden braking, sudden swerving or an accident.

n When installing a child restraint system

- 1 Ensure that the belt and plate are securely locked and the seat belt is not twisted.
- 1 Push and pull the child restraint system from side to side and forward to be sure it is secure.
- 1 After securing a child restraint system, never adjust the seat.
- 1 Follow all installation instructions provided by the child restraint system manufacturer.